****
Reviewer Comments:

SEQUENCE LISTING

<110> Rinat Neuroscience Corporation
Pons, Jaume

<120> AGONIST ANTI-TRKC ANTIBODIES AND METHODS USING SAME

<130> PC19492A

<140> 10584443
<141> 2008-07-15

<150> US 60/532,592
<151> 2003-12-23

<150> PCT/US04/43435
<151> 2004-12-23

<160> 31

Although the above <160> response is "31," only 29 sequences are in the submitted file. See below:

<210> 29
<211> 218
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 29

Above is the last sequence in the submitted file.
****

Validated By CRFValidator v 1.0.3

Application No: 10584443 Version No: 2.0

Input Set:

Output Set:

Started: 2008-07-15 11:50:44.660
Finished: 2008-07-15 11:50:46.994
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 334 ms
Total Warnings: 21
Total Errors: 1
No. of SeqIDs Defined: 31
Actual SeqID Count: 29

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
W	213	Artificial or Unknown found in <213> in SEQ ID (12)
W	213	Artificial or Unknown found in <213> in SEQ ID (13)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
W	213	Artificial or Unknown found in <213> in SEQ ID (20)
W	213	Artificial or Unknown found in <213> in SEQ ID (21)
W	213	Artificial or Unknown found in <213> in SEQ ID (28)

Input Set:

Output Set:

Started: 2008-07-15 11:50:44.660
Finished: 2008-07-15 11:50:46.994
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 334 ms
Total Warnings: 21
Total Errors: 1
No. of SeqIDs Defined: 31
Actual SeqID Count: 29

Error code	Error Description
	This error has occured more than 20 times, will not be displayed
E 252	Calc# of Seq. differs from actual; 31 seqIds defined; count=29

SEQUENCE LISTING

<110> Rinat Neuroscience Corporation
Pons, Jaume

<120> AGONIST ANTI-TRKC ANTIBODIES AND METHODS USING SAME

<130> PC19492A

<140> 10584443
<141> 2008-07-15

<150> US 60/532,592
<151> 2003-12-23

<150> PCT/US04/43435
<151> 2004-12-23

<160> 31

<170> PatentIn version 3.4

<210> 1
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 1

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Arg Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Ser Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Arg Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp
            100                 105                 110

Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser
        115                 120
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<210> 2
<211> 113
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 2

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Ile Asp Asn Tyr
            20                  25                  30

Gly Ile Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
        35                  40                  45

Lys Leu Leu Ile Tyr Ala Ala Ser Asn Arg Gly Ser Gly Val Pro Ser
    50                  55                  60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
65                  70                  75                  80

Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Ser Lys
                85                  90                  95

Thr Val Pro Arg Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
            100                 105                 110

Thr
```

<210> 3
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 3

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 4
<211> 10
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 4

Gly Tyr Thr Phe Thr Ser Tyr Arg Ile His
1 5 10

<210> 5
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 5

Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe Lys
1 5 10 15

Ser

<210> 6
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 6

Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 7
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 7

Arg Ala Ser Glu Ser Ile Asp Asn Tyr Gly Ile Ser Phe Leu Ala
1   5   10   15

<210> 8
<211> 7
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 8

Ala Ala Ser Asn Arg Gly Ser
1   5

<210> 9
<211> 9
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 9

Gln Gln Ser Lys Thr Val Pro Arg Thr
1   5

<210> 10
<211> 339
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 10
gatatccaga tgacacagtc cccatcctcc ctgtctgcct ctgtgggtga ccgcgtcacc   60

atcacctgcc gcgcaagtga gagcatcgac aactatggca tttccttcct ggcctggtat   120

cagcagaagc cgggcaaagc accaaaactc ctgatctatg ctgcatccaa tcggggttca   180

ggtgtcccat cacgcttcag tggcagtggc tctggtacag atttcacctt caccattagc   240

agcctgcaac cagaagatat tgccacttat tactgccaac agagtaagac tgtgccacgc   300

actttcggtc aaggcaccaa gctggagatc aaacgcact 339

<210> 11
<211> 654
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<400> 11
gatatccaga tgacacagtc cccatcctcc ctgtctgcct ctgtgggtga ccgcgtcacc 60

atcacctgcc gcgcaagtga gagcatcgac aactatggca tttccttcct ggcctggtat 120

cagcagaagc cgggcaaagc accaaaactc ctgatctatg ctgcatccaa tcggggttca 180

ggtgtcccat cacgcttcag tggcagtggc tctggtacag atttcacctt caccattagc 240

agcctgcaac cagaagatat tgccacttat tactgccaac agagtaagac tgtgccacgc 300

actttcggtc aaggcaccaa gctggagatc aaacgcactg tggctgcacc atctgtcttc 360

atcttccctc catctgatga gcagttgaaa tccggaactg cctctgttgt gtgcctgctg 420

aataacttct atccacgcga ggccaaagta cagtggaagg tggataacgc cctccaatcc 480

ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc 540

agcaccctga ccctgagcaa agcagactac gagaaacaca aagtctacgc ctgcgaagcc 600

acccatcagg gcctgagttc tccagtcaca aagagcttca accgcggtga gtgc 654

<210> 12
<211> 369
<212> DNA
<213> Artificial

<220>
<223> Synthetic Construct

<400> 12
caggtgcagc tggtgcagtc tggtgctgag gtgaagaagc ctggcgcttc cgtgaaggtt 60

tcctgcaaag catctggtta cacctttacc agctatcgga tccactgggt gcgccaagcc 120

cctggtcaag gcctggagtg gatgggcgaa atctacccaa gcaacgcgcg cactaactac 180

aacgagaagt tcaaatcccg ggtgaccatg actcgcgata cctccaccag cactgtctac 240

atggaactga gctctctgcg ctctgaggac actgctgtgt attactgtgc ccgcaagtac 300

tattacggca atacgcgtcg ctcctggtac ttcgatgtgt ggggccaggg taccactgtt 360

accgtgtcc 369

<210> 13
<211> 1350
<212> DNA
<213> Artificial

<220>
<223> Synthetic Construct

<400> 13
caggtgcagctg gtgcagtctg gtgctgaggt gaagaagcct ggcgcttccg tgaaggtt 60

tcctgcaaagca tctggttaca cctttaccag ctatcggatc cactgggtgc gccaagcc 120

cctggtcaaggc ctggagtgga tgggcgaaat ctacccaagc aacgcgcgca ctaactac 180

aacgagaagttc aaatcccggg tgaccatgac tcgcgatacc tccaccagca ctgtctac 240

atggaactgagc tctctgcgct ctgaggacac tgctgtgtat tactgtgccc gcaagtac 300

tattacggcaat acgcgtcgct cctggtactt cgatgtgtgg ggccagggta ccactgtt 360

accgtgtcctct gcctccacca agggcccatc tgtcttccca ctggccccat gctcccgc 420

agcacctccgag agcacagccg ccctgggctg cctggtcaag gactacttcc cagaacct 480

gtgaccgtgtcc tggaactctg gcgctctgac cagcggcgtg cacaccttcc cagctgtc 540

ctgcagtcctca ggtctctact ccctcagcag cgtggtgacc gtgccatcca gcaacttc 600

ggcacccagacc tacacctgca acgtagatca caagccaagc aacaccaagg tcgacaag 660

accgtggagaga aagtgttgtg tggagtgtcc accttgtcca gcccctccag tggccgga 720

ccatccgtgttc ctgttccctc caaagccaaa ggacaccctg atgatctcca gaacccca 780

gaggtgacctgt gtggtggtgg acgtgtccca cgaggaccca gaggtgcagt tcaactgg 840

tatgtggacgga gtggaggtgc acaacgccaa gaccaagcca agagaggagc agttcaac 900

tccaccttcaga gtggtgagcg tgctgaccgt ggtgcaccag gactggctga acggaaag 960

gagtataagtgt aaggtgtcca acaagggact gccatccagc atcgagaaga ccatctcc 1020

aagaccaaggga cagccaagag agccacaggt gtataccctg ccaccatcca gagaggag 1080

atgaccaagaac caggtgtccc tgacctgtct ggtgaaggga ttctatccat ccgacatc 1140

gccgtggagtgg gagtccaacg gacagccaga gaacaactat aagaccaccc ctccaatg 1200

ctggactccgac ggatccttct tcctgtattc caagctgacc gtggacaagt ccagatgg 1260

cagcagggaaac gtgttctctt gttccgtgat gcacgaggcc ctgcacaacc actatacc 1320

cagaagagcctg tccctgtctc caggaaag 1350

<210> 14
<211> 10
<212> PRT
<213> Homo sapiens

<400> 14

Trp Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Homo sapiens

<400> 15

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
1 5 10

<210> 16
<211> 10
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> (8)..(8)
<223> X = R or W

<220>
<221> VARIANT
<222> (9)..(9)
<223> X = I, L, R or M

<400> 16

Gly Tyr Thr Phe Thr Ser Tyr Xaa Xaa His
1 5 10

<210> 17
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (7)..(7)
<223> X = A, T, S, or G

<220>
<221> VARIANT
<222> (16)..(16)
<223> X = K or E

<400> 17

Glu Ile Tyr Pro Ser Asn Xaa Arg Thr Asn Tyr Asn Glu Lys Phe Xaa
1 5 10 15

Ser

<210> 18
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (7)..(7)
<223> X = T or S

<220>
<221> VARIANT
<222> (8)..(8)
<223> X = R, Q, K, S OR Y

<400> 18

Lys Tyr Tyr Tyr Gly Asn Xaa Xaa Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 19
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (6)..(6)

<223> X = I or V

<220>
<221> VARIANT
<222> (8)..(8)
<223> X = N or S

<220>
<221> VARIANT
<222> (14)..(14)
<223> X = L or M

<220>
<221> VARIANT
<222> (15)..(15)
<223> X = A, T or N

<400> 19

Arg Ala Ser Glu Ser Xaa Asp Xaa Tyr Gly Ile Ser Phe Xaa Xaa
1 5 10 15

<210> 20
<211> 7
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (5)..(5)
<223> X = R, L, or Q

<400> 20

Ala Ala Ser Asn Xaa Gly Ser
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (5)..(5)
<223> x = T, A, S or E

<400> 21

Gln Gln Ser Lys Xaa Val Pro Arg Thr
1 5

<210> 22
<211> 10
<212> PRT
<213> Mus musculus

<400> 22

Gly Tyr Thr Phe Thr Ser Tyr Trp Met His
1 5 10

<210> 23
<211> 17
<212> PRT
<213> Mus musculus

<400> 23

Glu Ile Tyr Pro Ser Asn Gly Arg Thr Asn Tyr Asn Glu Lys Phe Lys
1 5 10 15

Ser

<210> 24
<211> 15
<212> PRT
<213> Mus musculus

<400> 24

Lys Tyr Tyr Tyr Gly Asn Ser Tyr Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 25
<211> 15
<212> PRT
<213> Mus musculus

<400> 25

Arg Ala Ser Glu Ser Val Asp Asn Tyr Gly Ile Ser Phe Met Asn
1 5 10 15

<210> 26
<211> 7
<212> PRT

<213> Mus musculus

<400> 26

Ala Ala Ser Asn Gln Gly Ser
1 5

<210> 27
<211> 9
<212> PRT
<213> Mus musculus

<400> 27

Gln Gln Ser Lys Glu Val Pro Arg Thr
1 5

<210> 28
<211> 450
<212> PRT
<213> Artificial

<220>
<223> Synthetic sequence

<400> 28

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Arg Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Ser Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp
100 105 110

```
Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Ala Ser Thr Lys
        115                 120                 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu
    130                 135                 140

Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145                 150                 155                 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
                165                 170                 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn
        195                 200                 205

Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg
    210                 215                 220

Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Val Ala Gly
225                 230                 235                 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
                245                 250                 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
            260                 265                 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
        275                 280                 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg
    290                 295                 300

Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn Gly Lys
305                 310                 315                 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
                325                 330                 335

Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
```

```
            340                 345                 350

Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu
        355                 360                 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
    370                 375                 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met
385                 390                 395                 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
                405                 410                 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
            420                 425                 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
        435                 440                 445

Gly Lys
    450
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<210> 29
<211> 218
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 29

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Ile Asp Asn Tyr
            20                  25                  30

Gly Ile Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
        35                  40                  45

Lys Leu Leu Ile Tyr Ala Ala Ser Asn Arg Gly Ser Gly Val Pro Ser
    50                  55                  60
```

```
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
65                  70                  75                  80

Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Ser Lys
                85                  90                  95

Thr Val Pro Arg Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
            100                 105                 110

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
        115                 120                 125

Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
    130                 135                 140

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
145                 150                 155                 160

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
                165                 170                 175

Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
            180                 185                 190

His Lys Val Tyr Ala Cys Glu Ala Thr His Gln Gly Leu Ser Ser Pro
        195                 200                 205

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
    210                 215
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